Nuclear Engineering and Design 135 (1992) 437–439
North-Holland

Author Index to Volume 135

Acker, D., see Bhandari, S. 135 (1992) 141
Ahlstrand, R., see Wallin, K. 135 (1992) 239
Ahmad, G.U., see Mollah, A.S. 135 (1992) 321
Ando, Y., see Kashima, K. 135 (1992) 179

Baek, W.-P., see Park, S.-R. 135 (1992) 367
Bass, B.R., see Naus, D.J. 135 (1992) 197
Berg, H.P., Fire protection measures in the planned Konrad repository 135 (1992) 403
Bhandari, S., C. Faidy and D. Acker, Computation of leak areas of circumferential cracks in piping for application in demonstrating leak-before-break behaviour 135 (1992) 141
Biasi, L., R. Sala and A. Tozzi, Comments on the paper "The boiling transition: analysis and data comparison" by G.S. Lellouche, Nucl. Engng. Des. 116, No. 2 (1989) 117–133 135 (1992) 427
Breeding, R.J., J.C. Helton, E.D. Gorham and F.T. Harper, Summary description of the methods used in the probabilistic risk assessments for NUREG-1150 135 (1992) 1
Breeding, R.J., J.C. Helton, W.B. Murfin, L.N. Smith, J.D. Johnson, H.-N. Jow and A.W. Shiver, The NUREG-1150 probabilistic risk assessment for the Surry Nuclear Power Station 135 (1992) 29
Breeding, R.J., see Brown, T.D. 135 (1992) 117
Breeding, R.J., see Gregory, J.J. 135 (1992) 95
Breeding, R.J., see Payne Jr., A.C. 135 (1992) 61
Brocks, W., H. Krafka, G. Künecke and K. Wobst, Stable crack growth of axial flaws in pressure vessels 135 (1992) 151
Brown, C.A., K.L. Ford and J. Yates, Development of a solution to the debris fretting problem 135 (1992) 297
Brown, T.D., R.J. Breeding, J.C. Helton, H.N. Jow, S.J. Higgins and A.W. Shiver, The NUREG-1150 probabilistic risk assessment for the Grand Gulf Nuclear Station 135 (1992) 117

Chang, S.-H., see Park, S.-R. 135 (1992) 367
Choy, Y.S., see Kim, Y.J. 135 (1992) 187
Combescure, A., see Suo, X.-Z. 135 (1992) 207

deWit, R., see Naus, D.J. 135 (1992) 197
Dragunov, Y.G., see Troshchenko, V.T. 135 (1992) 225
Dubey, R.N. and R.G. Sauvé, Numerical integration of rate constitutive equations under finite deformation 135 (1992) 249

Faidy, C., see Bhandari, S. 135 (1992) 141
Fields, R.J., see Naus, D.J. 135 (1992) 197
Fletcher, D.F., A comparison of coarse mixing predictions . obtained from the CHYMES and PM-ALPHA models 135 (1992) 419
Ford, K.L., see Brown, C.A. 135 (1992) 297
Freund, H.U., S. Schumann, H. Wegener and K. Müller, HDR concrete dismantling experiments with explosive charges 135 (1992) 395

Gorham, E.D., see Breeding, R.J. 135 (1992) 1
Grebner, H. and A. Höfler, Crack opening and leak rate evaluation for piping components with through cracks 135 (1992) 161
Gregory, J.J., R.J. Breeding, J.C. Helton, W.B. Murfin, S.J. Higgins and A.W. Shiver, The NUREG-1150 probabilistic risk assessment for the Sequoyah Nuclear Plant 135 (1992) 95

Harper, F.T., see Breeding, R.J. 135 (1992) 1
Hee Cheon No, , see Man Gyun Na, 135 (1992) 379
Helton, J.C., see Breeding, R.J. 135 (1992) 29
Helton, J.C., see Breeding, R.J. 135 (1992) 1
Helton, J.C., see Brown, T.D. 135 (1992) 117
Helton, J.C., see Gregory, J.J. 135 (1992) 95
Helton, J.C., see Payne Jr., A.C. 135 (1992) 61
Higgins, S.J., see Brown, T.D. 135 (1992) 117
Higgins, S.J., see Gregory, J.J. 135 (1992) 95
Hishida, M., see Takeda, T. 135 (1992) 341
Höfler, A., see Grebner, H. 135 (1992) 161
Hunter, C.P. and R.C. Hurst, Creep crack growth verification testing in Alloy 800H tubular components 135 (1992) 171
Hurst, R.C., see Hunter, C.P. 135 (1992) 171
Husain, S.R., see Mollah, A.S. 135 (1992) 321

Johannsen, K., see Mosaad, M. 135 (1992) 355
Johnson, J.D., see Breeding, R.J. 135 (1992) 29
Johnson, J.D., see Payne Jr., A.C. 135 (1992) 61
Jow, H.-N., see Breeding, R.J. 135 (1992) 29

Jow, H.-N., see Payne Jr., A.C. 135 (1992) 61
Jow, H.N., see Brown, T.D. 135 (1992) 117

Kaplunenko, V.G., see Troshchenko, V.T. 135 (1992) 225
Karagiozova, D. and E. Manoach, Coupling effects in an elastic-plastic beam subjected to heat impact 135 (1992) 267
Karami, G., see Yaghoubi, M.A. 135 (1992) 277
Karimi, A.A., see Yaghoubi, M.A. 135 (1992) 277
Karzov, G.P., see Troshchenko, V.T. 135 (1992) 225
Kashima, K., M. Matsubara, N. Miura, Y. Ando and K. Takumi, Analyses of fatigue crack growth and fracture in carbon steel piping 135 (1992) 179
Keeney-Walker, J., see Naus, D.J. 135 (1992) 197
Kim, Y.J., W.H. Yang, Y.S. Choy and J.S. Lee, An interaction analysis of twin surface cracks by the line-spring model 135 (1992) 187
Koike, T., see Suzuki, M. 135 (1992) 287
Krafka, H., see Brocks, W. 135 (1992) 151
Kukita, Y., see Watanabe, T. 135 (1992) 327
Künecke, G., see Brocks, W. 135 (1992) 151

Lee, B.-H., see Park, S.-R. 135 (1992) 367
Lee, J.S., see Kim, Y.J. 135 (1992) 187
Low III, S.R., see Naus, D.J. 135 (1992) 197

Man Gyun Na, and Hee Cheon No, Design of an adaptive observer-based controller for the water level of steam generators 135 (1992) 379
Manoach, E., see Karagiozova, D. 135 (1992) 267
Matsubara, M., see Kashima, K. 135 (1992) 179
Miura, N., see Kashima, K. 135 (1992) 179
Mo, Y.L. and H.C. Wu, Monitor of structural integrity for nuclear power plants 135 (1992) 413
Mollah, A.S., G.U. Ahmad and S.R. Husain, Measurements of neutron shielding properties of heavy concretes using a Cf-252 source 135 (1992) 321
Morozov, A., see Wallin, K. 135 (1992) 239
Mosaad, M. and K. Johannsen, An improved correlation for subcooled and low quality film boiling heat transfer of water at pressures from 0.1 to 8 MPa 135 (1992) 355
Müller, K., see Freund, H.U. 135 (1992) 395
Murfin, W.B., see Breeding, R.J. 135 (1992) 29
Murfin, W.B., see Gregory, J.J. 135 (1992) 95

Naus, D.J., J. Keeney-Walker, B.R. Bass, R.J. Fields, R. deWit and S.R. Low III, Wide-plate crack-arrest tests utilizing prototypical and degraded (simulated) pressure vessel steels 135 (1992) 197
Nikolaev, V., see Wallin, K. 135 (1992) 239
Nishio, G., see Suzuki, M. 135 (1992) 287

Park, S.-R., W.-P. Baek, S.-H. Chang and B.-H. Lee, Development of an uncertainty quantification method of the best estimate large LOCA analysis 135 (1992) 367
Payne Jr., A.C., R.J. Breeding, J.C. Helton, L.N. Smith, J.D. Johnson, H.-N. Jow and A.W. Shiver, The NUREG-1150 probabilistic risk assessment for the Peach Bottom Atomic Power Station 135 (1992) 61
Pokrovsky, V.V., see Troshchenko, V.T. 135 (1992) 225

Ramamurthy, T.S., see Singh, R. 135 (1992) 307
Ramamurthy, T.S., see Singh, R. 135 (1992) 315
Rao, A.K., see Singh, R. 135 (1992) 307
Rao, A.K., see Singh, R. 135 (1992) 315
Rybin, V., see Wallin, K. 135 (1992) 239

Sala, R., see Biasi, L. 135 (1992) 427
Sauvé, R.G., see Dubey, R.N. 135 (1992) 249
Schumann, S., see Freund, H.U. 135 (1992) 395
Shiver, A.W., see Breeding, R.J. 135 (1992) 29
Shiver, A.W., see Brown, T.D. 135 (1992) 117
Shiver, A.W., see Gregory, J.J. 135 (1992) 95
Shiver, A.W., see Payne Jr., A.C. 135 (1992) 61
Singh, R., T.S. Ramamurthy and A.K. Rao, Non-uniqueness of thermoelastic contact in load bearing pin joints 135 (1992) 315
Singh, R., T.S. Ramamurthy and A.K. Rao, Thermomechanical generalisation in joints: on-axis pin bearing load 135 (1992) 307
Smith, L.N., see Breeding, R.J. 135 (1992) 29
Smith, L.N., see Payne Jr., A.C. 135 (1992) 61
Suo, X.-Z. and A. Combescure, On the application of $G(\Theta)$ method and its comparison with De Lorenzi's approach 135 (1992) 207
Suzuki, M., G. Nishio, J. Takada, M. Tsukamoto and T. Koike, Experimental analysis on factors dominating the explosive burning of solvent in a cell of a fuel reprocessing plant 135 (1992) 287

Takada, J., see Suzuki, M. 135 (1992) 287
Takeda, T. and M. Hishida, Studies on diffusion and natural convection of two-component gases 135 (1992) 341
Takumi, K., see Kashima, K. 135 (1992) 179
Timofeev, B., see Wallin, K. 135 (1992) 239
Timofeyev, V.T., see Troshchenko, V.T. 135 (1992) 225
Törrönen, K., see Wallin, K. 135 (1992) 239
Tozzi, A., see Biasi, L. 135 (1992) 427
Troshchenko, V.T., V.V. Pokrovsky, V.G. Kaplunenko, G.P. Karzov, V.T. Timofeyev and Y.G. Dragunov, The effect of metallurgical factors on crack resistance of pressure-vessel materials 135 (1992) 225
Tsukamoto, M., see Suzuki, M. 135 (1992) 287

Wallin, K., K. Törrönen, R. Ahlstrand, B. Timofeev, V. Rybin, V. Nikolaev and A. Morozov, Theory based statistical interpretation of brittle fracture toughness of reactor pressure vessel steel 15X2MϕA and its welds 135 (1992) 239
Watanabe, T. and Y. Kukita, The effect of the virtual mass term on the stability of the two-fluid model against perturbations 135 (1992) 327
Wegener, H., see Freund, H.U. 135 (1992) 395
Wobst, K., see Brocks, W. 135 (1992) 151
Wu, H.C., see Mo, Y.L. 135 (1992) 413
Yaghoubi, M.A., G. Karami and A.A. Karimi, A boundary element modelling for two-dimensional transient heat conduction 135 (1992) 277
Yang, W.H., see Kim, Y.J. 135 (1992) 187
Yates, J., see Brown, C.A. 135 (1992) 297

Nuclear Engineering and Design 135 (1992) 441–442
North-Holland

Subject Index to Volume 135

Thermal and fluid design

Summary description of the methods used in the probabilistic risk assessments for NUREG-1150, R.J. Breeding, J.C. Helton, E.D. Gorham and F.T. Harper 135 (1992) 1

The NUREG-1150 probabilistic risk assessment for the Surry Nuclear Power Station, R.J. Breeding, J.C. Helton, W.B. Murfin, L.N. Smith, J.D. Johnson, H.-N. Jow and A.W. Shiver 135 (1992) 29

The NUREG-1150 probabilistic risk assessment for the Peach Bottom Atomic Power Station, A.C. Payne Jr., R.J. Breeding, J.C. Helton, L.N. Smith, J.D. Johnson, H.-N. Jow and A.W. Shiver 135 (1992) 61

The NUREG-1150 probabilistic risk assessment for the Sequoyah Nuclear Plant, J.J. Gregory, R.J. Breeding, J.C. Helton, W.B. Murfin, S.J. Higgins and A.W. Shiver 135 (1992) 95

The NUREG-1150 probabilistic risk assessment for the Grand Gulf Nuclear Station, T.D. Brown, R.J. Breeding, J.C. Helton, H.N. Jow, S.J. Higgins and A.W. Shiver 135 (1992) 117

The effect of the virtual mass term on the stability of the two-fluid model against perturbations, T. Watanabe and Y. Kukita 135 (1992) 327

Studies on diffusion and natural convection of two-component gases, T. Takeda and M. Hishida 135 (1992) 341

Development of an uncertainty quantification method of the best estimate large LOCA analysis, S.-R. Park, W.-P. Baek, S.-H. Chang and B.-H. Lee 135 (1992) 367

Design of an adaptive observer-based controller for the water level of steam generators, Man Gyun Na and Hee Cheon No 135 (1992) 379

A comparison of coarse mixing predictions obtained from the CHYMES and PM-ALPHA models, D.F. Fletcher 135 (1992) 419

Heat conduction and transfer

An improved correlation for subcooled and low quality film boiling heat transfer of water at pressures from 0.1 to 8 MPa, M. Mosaad and K. Johannsen 135 (1992) 355

Engineering mechanics

Computation of leak areas of circumferential cracks in piping for application in demonstrating leak-before-break behaviour, S. Bhandari, C. Faidy and D. Acker 135 (1992) 141

Stable crack growth of axial flaws in pressure vessels, W. Brocks, H. Krafka, G. Künecke and K. Wobst 135 (1992) 151

Crack opening and leak rate evaluation for piping components with through cracks, H. Grebner and A. Höfler 135 (1992) 161

Creep crack growth verification testing in Alloy 800H tubular components, C.P. Hunter and R.C. Hurst 135 (1992) 171

Analyses of fatigue crack growth and fracture in carbon steel piping, K. Kashima, M. Matsubara, N. Miura, Y. Ando and K. Takumi 135 (1992) 179

An interaction analysis of twin surface cracks by the line-spring model, Y.J. Kim, W.H. Yang, Y.S. Choy and J.S. Lee 135 (1992) 187

Wide-plate crack-arrest tests utilizing prototypical and degraded (simulated) pressure vessel steels, D.J. Naus, J. Keeney-Walker, B.R. Bass, R.J. Fields, R. deWit and S.R. Low III 135 (1992) 197

On the application of $G(\Theta)$ method and its comparison with De Lorenzi's approach, X.-Z. Suo and A. Combescure 135 (1992) 207

Theory based statistical interpretation of brittle fracture toughness of reactor pressure vessel steel 15X2MϕA and its welds, K. Wallin, K. Törrönen, R. Ahlstrand, B. Timofeev, V. Rybin, V. Nikolaev and A. Morozov 135 (1992) 239

Coupling effects in an elastic-plastic beam subjected to heat impact, D. Karagiozova and E. Manoach 135 (1992) 267

A boundary element modelling for two-dimensional transient heat conduction, M.A. Yaghoubi, G. Karami and A.A. Karimi 135 (1992) 277

Experimental analysis on factors dominating the explosive burning of solvent in a cell

of a fuel reprocessing plant, M. Suzuki, G. Nishio, J. Takada, M. Tsukamoto and T. Koike 135 (1992) 287
Thermomechanical generalisation in joints: on-axis pin bearing load, R. Singh, T.S. Ramamurthy and A.K. Rao 135 (1992) 307
Non-uniqueness of thermoelastic contact in load bearing pin joints, R. Singh, T.S. Ramamurthy and A.K. Rao 135 (1992) 315

Materials properties

Creep crack growth verification testing in Alloy 800H tubular components, C.P. Hunter and R.C. Hurst 135 (1992) 171
Analyses of fatigue crack growth and fracture in carbon steel piping, K. Kashima, M. Matsubara, N. Miura, Y. Ando and K. Takumi 135 (1992) 179
Wide-plate crack-arrest tests utilizing prototypical and degraded (simulated) pressure vessel steels, D.J. Naus, J. Keeney-Walker, B.R. Bass, R.J. Fields, R. deWit and S.R. Low III 135 (1992) 197
The effect of metallurgical factors on crack resistance of pressure-vessel materials, V.T. Troshchenko, V.V. Pokrovsky, V.G. Kaplunenko, G.P. Karzov, V.T. Timofeyev and Y.G. Dragunov 135 (1992) 225
Theory based statistical interpretation of brittle fracture toughness of reactor pressure vessel steel 15X2MϕA and its welds, K. Wallin, K. Törrönen, R. Ahlstrand, B. Timofeev, V. Rybin, V. Nikolaev and A. Morozov 135 (1992) 239
Numerical integration of rate constitutive equations under finite deformation, R.N. Dubey and R.G. Sauvé 135 (1992) 249
Measurements of neutron shielding properties of heavy concretes using a Cf-252 source, A.S. Mollah, G.U. Ahmad and S.R. Husain 135 (1992) 321
HDR concrete dismantling experiments with explosive charges, H.U. Freund, S. Schumann, H. Wegener and K. Müller 135 (1992) 395

Structural design, construction methods and testing

Monitor of structural integrity for nuclear power plants, Y.L. Mo and H.C. Wu 135 (1992) 413

Radiation shielding

Measurements of neutron shielding properties of heavy concretes using a Cf-252 source, A.S. Mollah, G.U. Ahmad and S.R. Husain 135 (1992) 321
Design of an adaptive observer-based controller for the water level of steam generators, Man Gyun Na and Hee Cheon No 135 (1992) 379

Discussion

Comments on the paper "The boiling transition: analysis and data comparison" by G.S. Lellouche, Nucl. Engng. Des. 116, No. 2 (1989) 117–133, L. Biasi, R. Sala and A. Tozzi, and Author's response, G.S. Lellouche 135 (1992) 427

Nuclear waste management and disposal

Fire protection measures in the planned Konrad repository, H.P. Berg 135 (1992) 403

Core physics and fuel design

Development of a solution to the debris fretting problem, C.A. Brown, K.L. Ford and J. Yates 135 (1992) 297

Nuclear safety

Summary description of the methods used in the probabilistic risk assessments for NUREG-1150, R.J. Breeding, J.C. Helton, E.D. Gorham and F.T. Harper 135 (1992) 1
The NUREG-1150 probabilistic risk assessment for the Surry Nuclear Power Station, R.J. Breeding, J.C. Helton, W.B. Murfin, L.N. Smith, J.D. Johnson, H.-N. Jow and A.W. Shiver 135 (1992) 29
The NUREG-1150 probabilistic risk assessment for the Peach Bottom Atomic Power Station, A.C. Payne Jr., R.J. Breeding, J.C. Helton, L.N. Smith, J.D. Johnson, H.-N. Jow and A.W. Shiver 135 (1992) 61
The NUREG-1150 probabilistic risk assessment for the Sequoyah Nuclear Plant, J.J. Gregory, R.J. Breeding, J.C. Helton, W.B. Murfin, S.J. Higgins and A.W. Shiver 135 (1992) 95
The NUREG-1150 probabilistic risk assessment for the Grand Gulf Nuclear Station, T.D. Brown, R.J. Breeding, J.C. Helton, H.N. Jow, S.J. Higgins and A.W. Shiver 135 (1992) 117
Development of an uncertainty quantification method of the best estimate large LOCA analysis, S.-R. Park, W.-P. Baek, S.-H. Chang and B.-H. Lee 135 (1992) 367
HDR concrete dismantling experiments with explosive charges, H.U. Freund, S. Schumann, H. Wegener and K. Müller 135 (1992) 395
Fire protection measures in the planned Konrad repository, H.P. Berg 135 (1992) 403